

2025 national curriculum tests

Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

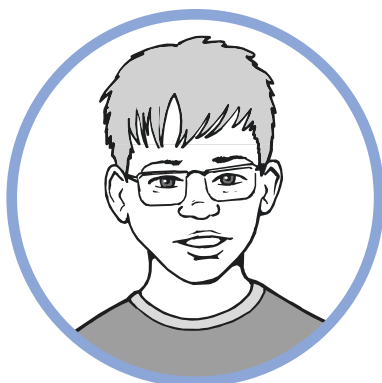
Total marks	
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Ajay



Amy



Ben



Kemi



Sam

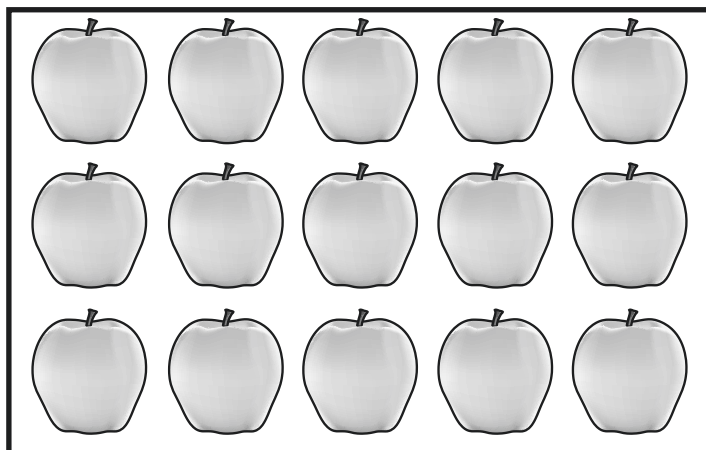


Sita

Practice question

10

1

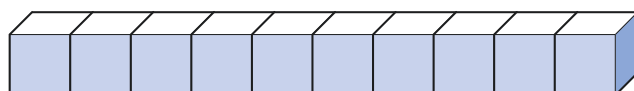
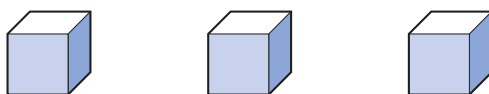
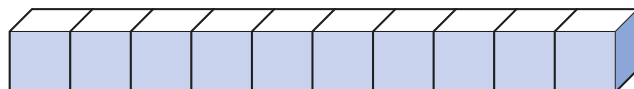


apples



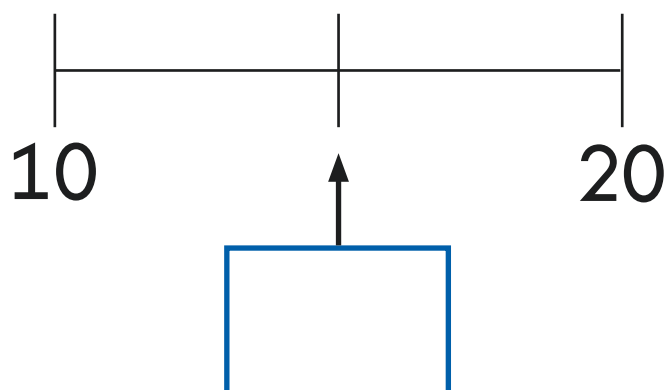
1 mark

2



1 mark

3



1 mark

4

2

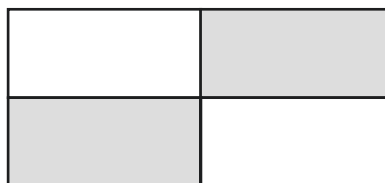
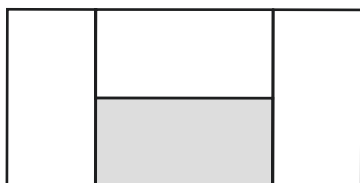
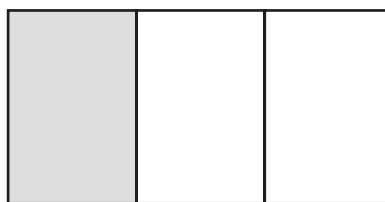
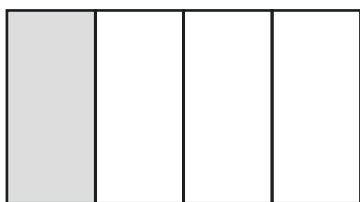
3

4



1 mark

5



1 mark

- 6 Amy's number has **8 tens** and **7 ones**.

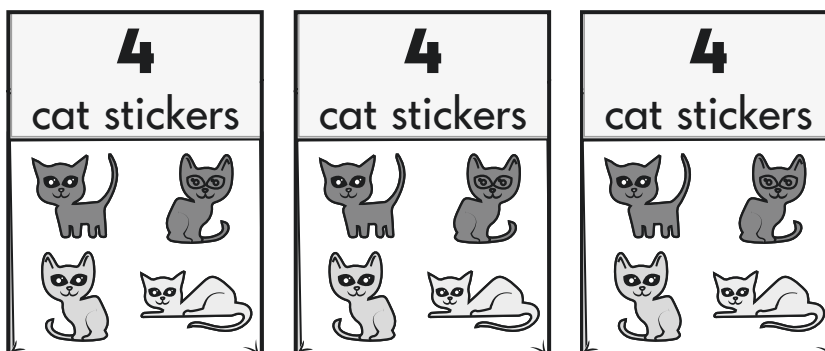
Write her number.



1 mark

- 7 Sam has **3** sheets of cat stickers.

Each sheet has **4** stickers.



How many stickers does Sam have **altogether**?

stickers



1 mark

8



Circle the card that shows Kemi's number.

30

13

3

31

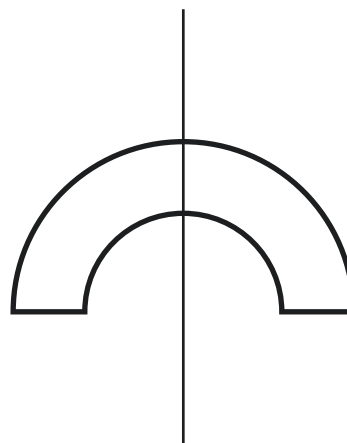
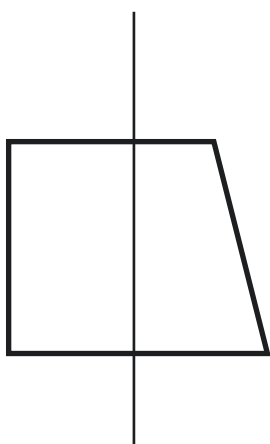
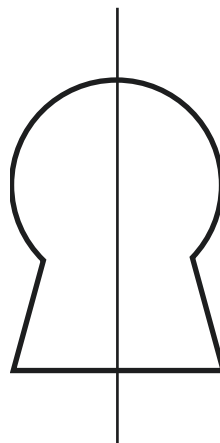
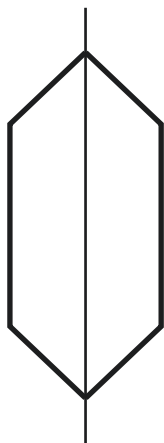


1 mark

9 Sita draws a line of symmetry on each of these shapes.

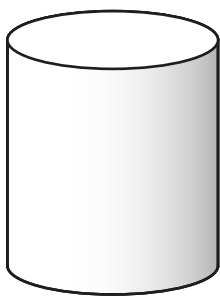
One of her lines of symmetry is **wrong**.

Draw a **cross** on the shape where the line of symmetry is **wrong**.

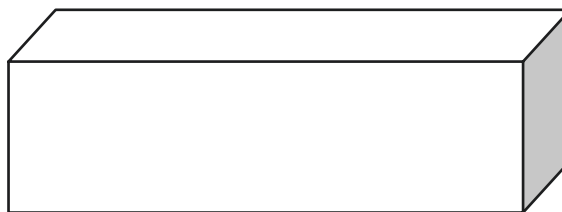


1 mark

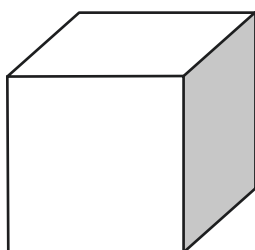
10 Tick the **two** shapes that have the **same** number of faces.



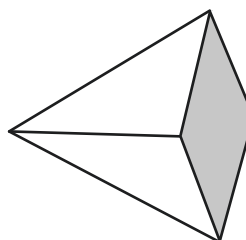
Cylinder



Cuboid



Cube



Square-based pyramid



1 mark

11 Draw **two** lines to match the times.

One is done for you.

1 week	7 days
	10 days
1 hour	30 minutes
	60 minutes
1 day	20 hours
	24 hours

1 mark

12 This picture shows $5 + 5 = 10$

10	
5	5

Here are two more pictures.

Write the missing numbers in the boxes.

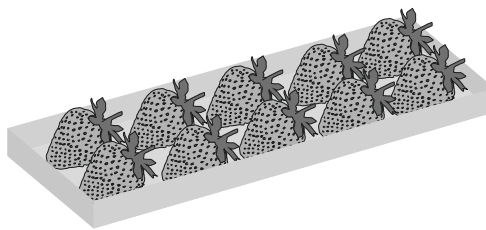
12	
9	

8	5

1 mark

13 There are **8** trays of strawberries.

Each tray has **10** strawberries.





How many strawberries are there **altogether**?







1 mark

14 Ajay gets stickers for good work.

 = 1 point

 = 3 points

Complete the table to show how many points Ajay has **altogether**.

	Stickers	Number of points
Ajay	   	



1 mark

- 15** Write a digit in each box to complete the number sentence.

$$\square + 7 + \square = 15$$



1 mark

- 16** Kemi has **20** seeds.

She gives some to Ben.

Kemi has **8** seeds left.

How many seeds does Kemi give to Ben?



seeds



1 mark

17 These pairs of numbers add to **20**

Write numbers in the boxes to complete the number pairs.

The first one is done for you.

11	9
----	---

15	
----	--

	4
--	---



1 mark

- 18 This bottle holds **half a litre** of water.



How many of these bottles make **one litre**?

bottles

1 mark

- 19 Amy sorts shapes into a table.

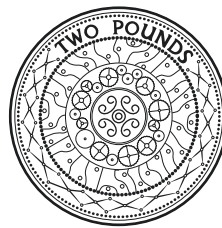
Put a cross on the shape that is in the **wrong** place.

4 vertices or fewer	5 vertices or more

1 mark

20 Ben has **eleven £2** coins.

How much money does Ben have?



£



1 mark

21

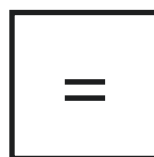
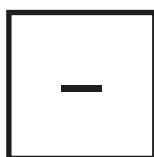
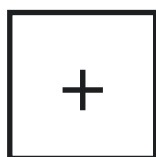
Tick **all** the amounts that can be made using **only** 5p coins.



1 mark

22

Here are some symbols.



Use two of the symbols to complete this number sentence.

$$12 \quad \square \quad 5 \quad \square \quad 7$$

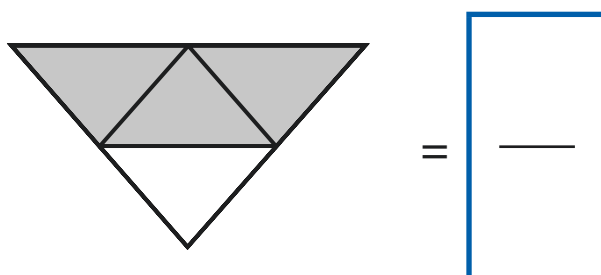
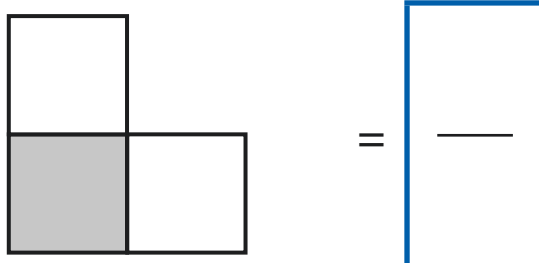
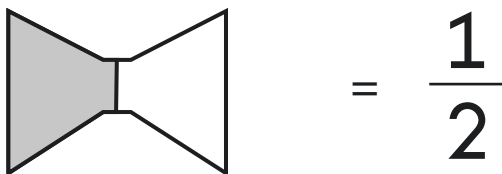
Now use two of the symbols to complete this number sentence in a **different** way.

$$12 \quad \square \quad 5 \quad \square \quad 7$$


1 mark

23 What fraction of each shape is shaded?

One is done for you.



1 mark

24 Amy has **75p**.

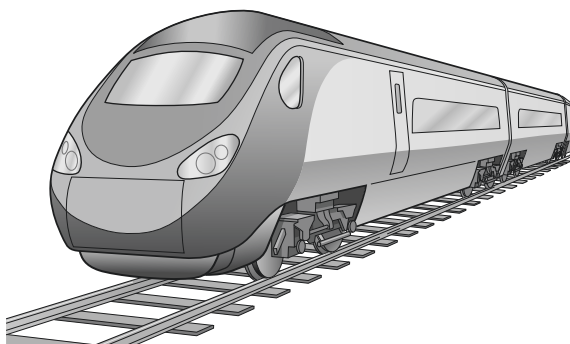
Ben gives Amy **three** 5p coins.

How much money does Amy have now?



1 mark

25 This train has **93** people on board.



At the station **21** people get off.

Then **9** people get on.

How many people are on the train now?

Show
your
working

people



2 marks

26

Here is a number sentence:

$$12 + 7 = 19$$

Circle the **two** calculations below that can be used to check if the number sentence is correct.

$$19 - 12$$

$$19 + 12$$

$$19 + 7$$

$$19 - 7$$



1 mark

27 Only **one** statement is correct.

Tick it.

3cm > 3m ☐

3kg > 3g ☐

3ml > 3l ☐

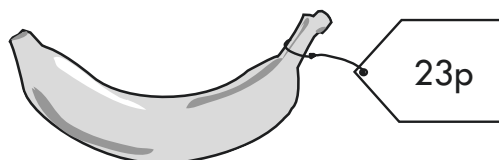
3p > £3 ☐



1 mark

28

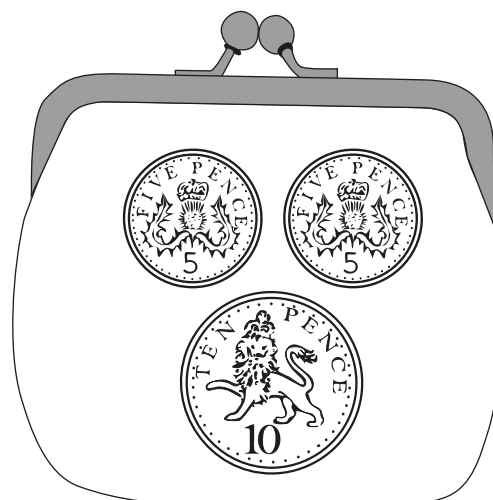
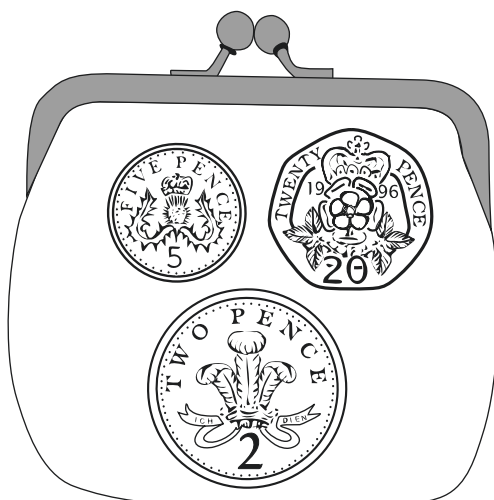
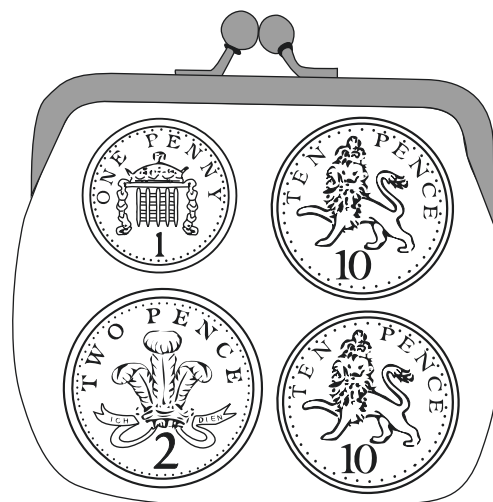
Kemi buys a banana for **23p**.



She pays with a **50p** coin.



Tick the purse that shows how much change Kemi gets.



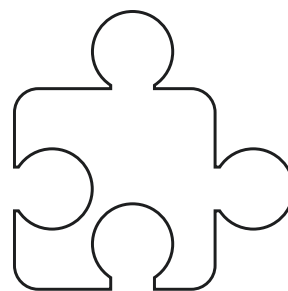
1 mark

29

A puzzle has **40** pieces.

Ben places **6** pieces into the puzzle.

Amy places **19** pieces into the puzzle.



How many pieces are **left** to finish the puzzle?

Show
your
working

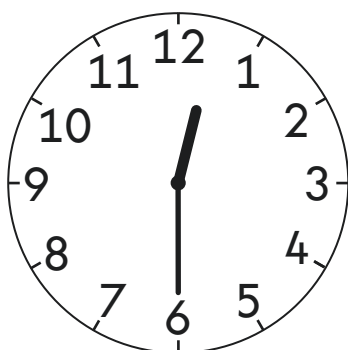
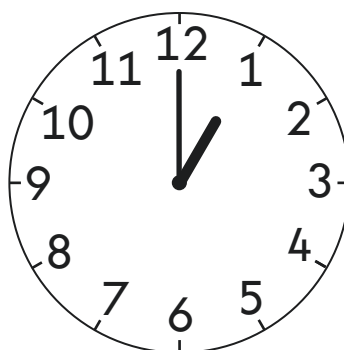
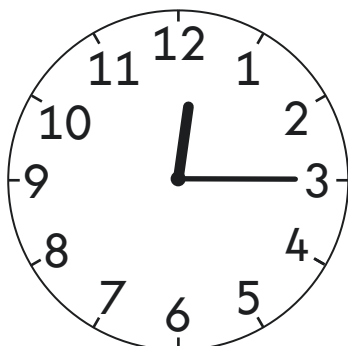
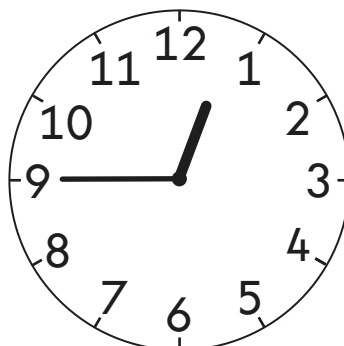
pieces



2 marks

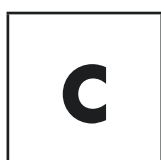
30

The clocks below show the time each class went to lunch.

Class A**Class B****Class C****Class D**


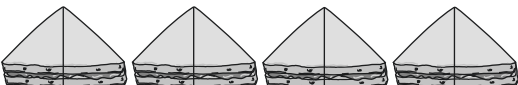
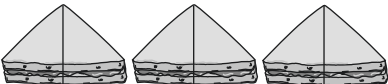
Put the classes in the order they go to lunch, starting from **first** to **last**.

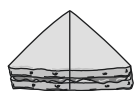
One is done for you.

**first****last**

1 mark

31

Sandwich	Number of sandwiches
tuna	
cheese	
egg	



stands for 2 sandwiches

Tick the list that shows the correct number of sandwiches in the chart.

☐

2 tuna
4 cheese
3 egg

☐

2 tuna
2 cheese
3 egg

☐

4 tuna
7 cheese
6 egg

☐

4 tuna
8 cheese
6 egg



1 mark

32Circle **two** numbers that add together to make **70**

27

35

37

43

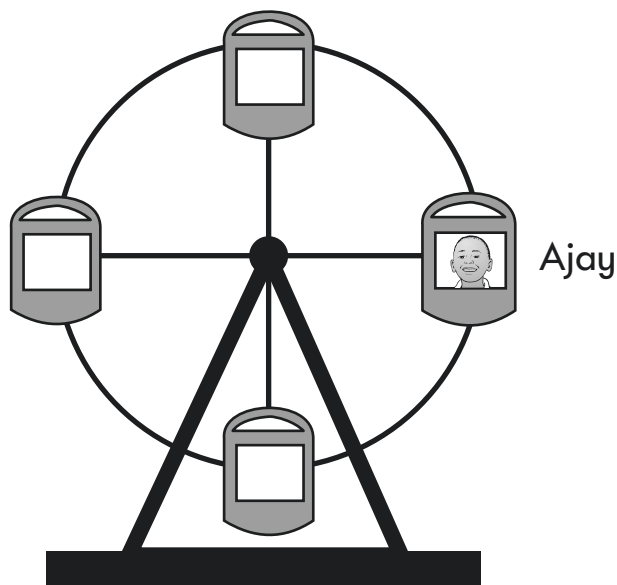
45



1 mark

33 Ajay is on the big wheel.

It is turning in a **clockwise** direction.



When Ajay reaches the top, how much has the big wheel turned?

Tick your answer.

Tick **one**.

quarter turn

☐

half turn

☐

three-quarter turn

☐

full turn

☐

1 mark

End of test



Standards
& Testing
Agency

Key stage 1 mathematics Paper 2: reasoning
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